

Santa Ana Valley Groundwater Basin

- Groundwater Basin Number: 3-22
- County: San Benito
- Surface Area: 2,720 acres (4 square miles)

Basin Boundaries and Hydrology

Santa Ana Valley is a northwesterly drained and westward sloping valley in the Coast Range Mountains of San Benito County east of the town of Hollister. The elevation ranges from approximately 600 to 800 feet. The basin is comprised of Quaternary alluvium. It is bounded on all sides by Upper Cretaceous marine sediments (Jennings and Strand 1958). The basin boundary confidence is considered high due to clear geologic contacts despite a lack of information regarding groundwater occurrence or movement. Santa Ana Creek and its tributaries drain the basin. Average precipitation is 15 inches.

Hydrogeologic Information

Water Bearing Formations

No specific published information on the water bearing units was found. A review of San Joaquin District well completion report files found 11 well reports in the basin. Depth of these wells ranged from 40 to 508 feet and encountered alluvial materials to depths ranging from 25 to 180 feet below the surface. Five of the well reports were for test wells drilled in the 1940s. These wells were completed exclusively in the alluvial material and had yields ranging from 75 to 130 gpm. One other well had a reported yield of five to 10 gpm.

Groundwater Level Trends

No data was found regarding water level trends. Well completion report files for wells drilled between 1943 and 1980 reported groundwater levels from 40 to 110 feet.

Groundwater Storage

No published information on groundwater storage was found.

Groundwater Budget (Type C)

There is no information to provide an estimate of this basin's budget.

Groundwater Quality

No groundwater quality information was found in the published literature. Data in DWR files was limited to three wells sampled once in 1961. The EC for these wells ranged from 1,150 to 1,630 $\mu\text{mhos/cm}$. No additional quality characterization is possible at this time.

Well Production characteristics

Well yields (gal/min)	
Municipal/Irrigation	
Total depths (ft)	
Domestic	
Municipal/Irrigation	Range: 40 -508

Active Monitoring Data

Agency	Parameter	Number of wells /measurement frequency
Department of Health Services and cooperators	Groundwater levels	NKD
	Miscellaneous water quality	NKD
	Title 22 water quality	0

Basin Management

Groundwater management:	San Benito County adopted a groundwater ordinance in 1995.
Water agencies	
Public	None
Private	None

References Cited

California Department of Water Resources (DWR), San Joaquin District. Well completion report files.

_____. Water Quality Records.

Jennings, Charles W. and Rudolph G. Strand (compilers). 1958. Santa Cruz Sheet of *Geologic Map of California*. California Division of Mines and Geology (CDMG). Scale 1:250,000.

Errata

Changes made to the basin description will be noted here.